

What is claimed is:

1. A method for adapting memory-resident database in a flexible service logic execution environment (FSLEE), comprising the steps of:
 - constructing a service table in an FSLEE application;
 - providing a memory based database environment (MBE) indicator to the service table;
 - setting the MBE indicator of the service table in a database configuration file; and
 - providing service independent building blocks (SIBs) to access the MBE table constructed in the FSLEE application.
2. The method of claim 1, further comprising attaching a time stamp to the MBE database records after each access.
3. The method of claim 1, further comprising inserting a record into the service table.
4. The method of claim 3, further comprising:
 - returning a status indicator; and
 - attaching a time stamp to the inserted record.
5. The method of claim 1, further comprising reading a record in the service table.
6. The method of claim 5, further comprising:
 - locking the record before the reading step; and
 - returning a status indicator.
7. The method of claim 1, further comprising updating a record in the service table.
8. The method of claim 7, further comprising:
 - reading and locking the record before the updating step;
 - checking time stamps between the reading step and the updating step; and
 - returning a status indicator.
9. The method of claim 1, further comprising deleting a record in the service table.
10. The method of claim 9, further comprising:
 - reading the record before the deleting step;
 - checking time stamps between the reading step and the deleting step; and
 - returning a status indicator.
11. The method of claim 1, further comprising unlocking a record in the service table.
12. The method of claim 11, wherein the unlocking step includes using an application framework (AF) to unlock the record.

13. An apparatus for adapting memory-resident database in a flexible service logic execution environment (FSLEE), comprising:

a memory based database environment (MBE) database, comprising a database configuration file providing an MBE indicator to a service table to differentiate an MBE service table from another service table, the MBE service table being constructed in an FSLEE application; and

an FSLEE application, comprising a service independent building block (SIB) library containing a set of SIBs that access the MBE service table constructed in the FSLEE application.

14. The apparatus of claim 13, further comprising an application framework (AF) that clears record locks in the FSLEE application.

15. The apparatus of claim 13, wherein the SIBs inserts a record in the service table.

16. The apparatus of claim 13, wherein the SIBs reads a record in the service table.

17. The apparatus of claim 13, wherein the SIBs updates a record in the service table.

18. The apparatus of claim 13, wherein the SIBs deletes a record in the service table.

19. A computer readable medium providing instruction for adapting memory-resident database in a flexible service logic execution environment (FSLEE), the instructions comprising:

constructing a service table in an FSLEE application;

providing a memory based database environment (MBE) indicator to the service table;

setting the MBE indicator of the service table in a database configuration file; and

providing service independent building blocks (SIBs) to access the MBE table constructed in the FSLEE application.

20. The computer readable medium of claim 19, further comprising instructions for attaching a time stamp to the MBE database records after each access.